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Serial No. : 09/806,341
Filed : March 29, 2001
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Attorney's Docket No.: 12758-
023001 / 1998P02830WOUS

REMARKS

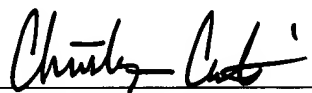
Applicants have amended the above claims to comply with United States claiming practices. No new matter has been added.

Attached please find a marked-up version of the changes made by the current amendments.

Applicants submit that all claims are now in condition for examination, which action is requested. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 11/27/01



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Version with markings to show changes made

IN THE CLAIMS:

Amend claims 16 to 27 as follows:

--16. (Amended) A method for receiving [transmitted] signals [which can be] transmitted in [various] subfrequency bands [(a, b, c, d)] of a receive frequency band, [in which] the method comprising:

[-] performing pre-filtering to obtain a first signal frequency band containing the [transmitted] signals [is filtered out] by adding a carrier frequency to the receive frequency band and by [prefiltering of] filtering the receive frequency band[.];

[-] generating a frequency baseband containing the [transmitted] signals [is generated] by adding an intermediate frequency to the first signal frequency band and by demodulating the first signal frequency band[.]; and

[-] performing post-filtering to obtain [at least one] a second signal frequency band containing the [transmitted] signals [is filtered out of] from the frequency baseband [by post-filtering, in which] by matching one or more of the carrier frequency [and/or] and the intermediate frequency [are matched] to [one or more filter parameters] at least one filter parameter [during the post-filtering in such a manner that the desired subfrequency band [is available] as a second frequency band, in which];

digitizing [the] information [contained] in the second signal frequency band [is digitized, in which]; and

fine-filtering [a part of the post-filtering is performed as fine filtering on] the digitized information [in order] to obtain the [transmitted] signals in digital form[, and in which the digital part of the post-filtering is also matched to the carrier frequency and/or the intermediate frequency].

17. (Amended) The method [as claimed in] of claim [1, in which] 16, further comprising: [during the post-filtering, a low-pass filter (8) or a high-pass filter or a high-pass/low-pass

filter combination is used, the cut-off frequency of which or the cut-off frequencies of which are matched to the carrier frequency and/or the intermediate frequency in such a manner that the cut-off frequency or the cut-off frequencies, respectively, separate the desired subfrequency band from all neighboring frequency bands which may still be present in the frequency baseband.]

post-filtering the frequency baseband using one or more of a low-pass filter, a high-pass filter, and a high-pass/low-pass filter combination, the post-filtering having a cut-off frequency that is matched to one or more of the carrier frequency and the intermediate frequency.

18. (Amended) The method [as claimed in] of claim [1, in which] 16, further comprising:
amplifying the second signal frequency band [is amplified] after [the]
post-filtering has been [performed] at least partially performed.

19. (Amended) The method [as claimed in] of claim [1, in which] 16, further comprising:
setting the carrier frequency [for the prefiltering is set in such a manner that one or more] to split off a neighboring frequency [bands] band of the [desired] second subfrequency band [are already split off] during prefiltering.

20. (Amended) The method [as claimed in] of claim [1, in which] 16, further comprising:
digitizing the first signal frequency band [present in analog form is first digitized and] wherein the frequency baseband is generated [by] via digital demodulation.

21. (Amended) The method [as claimed in] of claim [1, in which,] 16, further comprising:
performing one of [after the generation of the frequency baseband,] a high-pass filtering [or] and a combination of high-pass and low-pass filtering [is performed in order] to filter out at least one subfrequency band [which is either in the positive or] in [the negative frequency] a range of the frequency baseband[, and];
digitizing [in which] the filtered subfrequency band [filtered out is digitized]; and

converting [is transposed] the digitized subfrequency band [by digital conversion]
into a frequency range which contains [the] a zero frequency value.

22. (Amended) A receiver for receiving [transmitted] signals [which can be] transmitted
[to the receiver] in [various] subfrequency bands [(a, b, c, d)] of a receive frequency
band, comprising:

[-] a first oscillator [(15) for inserting] to insert a carrier frequency into a receive path
of the receive frequency band[.];

[-] a prefilter [(4) which is arranged in the receive path in order] to filter a first
[signal] frequency band containing the [transmitted] signals out of the receive frequency
band with the [inserted] carrier frequency[.];

[-] a second oscillator [(16) for inserting] to insert an intermediate frequency into a
first signal path of the first [signal] frequency band[.];

[-] a demodulator [(7) which is arranged in the first signal path in order] to
demodulate the [signal] first frequency band with the [inserted] intermediate frequency
[and] to generate a frequency baseband [which contains] containing the [transmitted]
signals[.]; and

[-] a post-filter [(8) which is arranged in a base path of the frequency baseband in
order] to filter a second signal frequency band containing the [transmitted] signals out of
the frequency baseband[, in which a common frequency and post-filter control (18) of the
post-filter (8) and of the first oscillator (15) and/or the second oscillator (16) is provided
in order to match the carrier frequency and/or the intermediate frequency to one or more
filter parameters of the post-filter (8) in such a manner that the desired subfrequency band
is available as second signal frequency band, in which a second signal band amplifier
(9, 10) for amplifying the second signal frequency band is arranged after the post-filter
or, respectively, after the first part (8) of the post-filter in a second signal path of the
second signal frequency band in the direction of signal propagation, an analog/digital
converter (11) is provided in the second signal path in order to digitize the information
present in the second signal frequency band, in which a digital filter (12) is provided
behind the analog/digital converter (11) in the direction of signal propagation in order to

filter the transmitted signals out of the digitized information and in which the digital filter (12) can also be driven by the common frequency and post-filter control].

23. (Amended) The receiver [as claimed in] of claim [7, in which] 22, wherein:

the post-filter [(8) exhibits] includes one of a low-pass filter, [or] a high-pass filter [or] and a high-pass/low-pass filter combination, the post-filter having a [the] cut-off frequency [and/or cut-off frequencies of which can be] matched to at least one of the carrier frequency and the intermediate frequency [in such a manner that the cut-off frequency or cut-off frequencies] to separate the [desired] second subfrequency band from [all] neighboring frequency bands [which may still be present] in the frequency baseband.

24. (Amended) The receiver [as claimed in] of claim [8, in which] 28, wherein:

the second signal band amplifier [(9, 10)] and at least a part [(8)] of the post-filter are arranged in a common integrated circuit.

25. (Amended) The receiver [as claimed in] of claim [8, in which] 28, further comprising:

[the second signal path exhibits] a bypass [(14)] connected in parallel with the second signal band amplifier for unamplified forwarding of the second [signal] frequency band[, which is connected in parallel with the second signal band amplifier (9, 10)].

26. (Amended) The receiver [as claimed in] of claim [7, in which] 22, wherein:

the demodulator [(7)] and at least a part [(8)] of the post-filter are arranged in a common integrated circuit.

27. (Amended) The receiver [as claimed in] of claim [7, in which] 22, further comprising:

an analog/digital converter [is arranged behind the prefilter and in front of before the demodulator in the direction of signal propagation and in which the demodulator and the post-filter are constructed for digital signal processing].--